

## Complex Numbers Worksheets

Simplify.

$$\frac{8+3i}{-3+i}$$

$$\frac{9+7i}{1-3i}$$

$$\frac{7-7i}{9-i}$$

$$\frac{5+i}{8+i}$$

$$\frac{-10+i}{-1+3i}$$

$$\frac{-3-5i}{-8+3i}$$

$$\frac{1+2i}{5+i}$$

$$\frac{3+3i}{9-i}$$

## Complex Numbers Worksheets

Simplify.

$$\frac{8+3i}{-3+i}$$
$$= \frac{-21-17i}{10}$$

$$\frac{9+7i}{1-3i}$$
$$= \frac{-6+17i}{5}$$

$$\frac{7-7i}{9-i}$$
$$= \frac{35-28i}{41}$$

$$\frac{5+i}{8+i}$$
$$= \frac{41+3i}{65}$$

$$\frac{-10+i}{-1+3i}$$
$$= \frac{13+29i}{10}$$

$$\frac{-3-5i}{-8+3i}$$
$$= \frac{9+49i}{73}$$

$$\frac{1+2i}{5+i}$$
$$= \frac{7+9i}{26}$$

$$\frac{3+3i}{9-i}$$
$$= \frac{12+15i}{41}$$